

SnowEx Winter 1 - Other: NRL P-3 02/21/17 Science Report

Aircraft:

Other: NRL P-3

Date:

Tuesday, February 21, 2017

Mission:

SnowEx Winter 1

Mission Location:

Petersen AFB, Colorado Springs, CO

Mission Summary:

At the last flight that was conducted, SnowSAR was having issues and the plane had to RTB early. Troubleshooting took place on the ground and the problem seemed to have been patched/fixed. The original plan for this flight was to fly only half of the Grand Mesa lines. Because SnowSAR seemed to be working, all the Grand Mesa lines were flown. Unfortunately weather proved to be difficult again, and it forced the aircraft to fly higher than ideal. There was signal loss due to the altitude change, and thus only got partial SnowSAR data. CAR was able to do a circle and the IR Suite worked just fine. Average altitude was 3500 ft AGL. Pilots were Lt Cmdr Rossi and Lt Miller. Duration: 5.8 hrs.

Submitted by:

Eugenia De Marco on 02/24/17

Related Flight Report:

Other: NRL P-3 02/21/17

Payload Configuration:

SnowEx - Winter 1 (2018)

Nav Data Collected:

No

Total Flight Time:

5.8 hours

Submitted by:

Eugenia De Marco on 04/13/17

Flight Segments:

From:	Petersen AFB, CO	To:	Petersen AFB, CO
Start:	02/21/17 15:45 Z	Finish:	02/21/17 21:30 Z
Flight Time:	5.8 hours		
Log Number:	17M034	PI:	Edward Kim
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	17M034
Flight Hours Approved in SOFRS	48
Total Used	32.5
Total Remaining	15.5

17M034 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
02/16/17		Transit	5.7	5.7	42.3
02/16/17 - 02/17/17		Science	4.4	10.1	37.9
02/18/17		Science	3.7	13.8	34.2
02/20/17		Science	4	17.8	30.2
02/21/17		Science	5.8	23.6	24.4
02/22/17		Science	5	28.6	19.4

[03/04/17 -](#)
[03/05/17](#)

Ferry

3.9

32.5

15.5

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Source URL: https://airbornescience.nasa.gov/science_reports/SnowEx_Winter_1_-_Other_NRL_P-3_02_21_17_Science_Report?destination=node/47499